

StreamPro100ATF

4K60 4:4:4/HDR W/USB KVM over IP SDVoE Tranceiver Fiber



PRODUCT OVERVIEW

This **Resoundify StreamPro100ATF** transceiver is an SDVoE-Compliant, All-In-One AV over IP solution that provides highest-quality, uncompressed 4K and zero-frame latency audio/video extension over a standard 10G Fiber Network Switch with instant switching, Video Wall and MultiView functions. It can transfer advanced HDMI content such as HDR (high dynamic range), full color-depth and multichannel HD Bitstream audio. Flexible transceiver design (one box can be set to encoder or decoder) is much convenient in a real installation site and inventory control. Its built-in Secondary Stream supports a high quality, bandwidth configurable H.264/H.265 compression video stream for portable device preview purpose. Multiple control and data signals can be transmitted along with audio and video signals simultaneously, including bi-directional IR, RS-232, USB KVM, CEC and 1G Ethernet.

KEY FEATURES

- HDMI 2.0b and HDCP 2.2 Compliance:** Ensures compatibility with the latest high-definition video and content protection standards.
- 4K Ultra HD Video Performance:** Supports resolutions up to 4K@60Hz (4:4:4) with 18Gbps video bandwidth for crystal-clear visuals.
- Flexible Transceiver Design:** Combines Encoder and Decoder functionality within a single unit for versatile installation.
- Selectable Operation Mode:** Encoder or Decoder mode can be configured via Button or API control.
- HDMI Loop Out (Encoder):** Enables local monitoring or signal daisy-chaining without additional splitters.
- Advanced Video Format Support:** Compatible with HDR10, Dolby Vision, HLG, and 3D video formats.
- Comprehensive Audio Format Support:** Handles Dolby TrueHD, Dolby Atmos, DTS-HD, and DTS:X audio formats.
- Zero-Frame Latency Mode:** Provides real-time signal transmission without perceptible delay.
- Built-in Secondary Stream (SS):** Integrated H.264/H.265 streaming for preview and monitoring.
- Comprehensive Control Options:** Enables bi-directional IR and RS-232 pass-through for device communication. Multiple Control Interfaces: Manage via IR, RS-232, TCP/IP, or Web GUI for flexible system integration.
- Power over Ethernet (PoE):** Complies with IEEE 802.3at PD standard for simplified power and data connectivity
- 10G Managed Network Support:** Designed for high-bandwidth AV-over-IP systems with 10G network switch integration.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

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TECHNICAL SPECIFICATIONS

System Specifications

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Network Video Bandwidth	10G
Video Resolution	Up to 4K@60Hz 4:4:4
Color Space	RGB,YCbCr4:4:4/4:2:2/4:2:0
Color Depth	Full Color-Depth
HDR	HDR, HDR 10,HDR 10+, Dolby Vision, HLG
HDMI Audio Formats	LPCM , Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD, DTS:X
Analog Audio Formats	Left and Right stereo analog audio
Transmission Distance	100M(CAT6A/7) / 90M(CAT6)
ESD Protection	Human body model — ±8kV(air-gap discharge)&±4kV (contact discharge)

Connections Specifications

Input ports	1x HDMI IN [Type A, 19-pin female] 1x USB 2.0 HOST [Type B, 4-pin female] 1x IR IN [3.5mm Jack] 1x AUDIO IN [3.5mm Jack] 1x RS-232 [4-pin phoenix connector]
Output ports	1x HDMI OUT [Type A, 19-pin female] 1x AUDIO OUT [3.5mm Jack] 1x IR OUT [3.5mm Jack] 2x USB 2.0 DEVICE [Type-A, 4pin female]
Network ports	1x 10G SFP+[Fiber slot] 1x 1G LAN [RJ45 jack]

Mechanical Specifications

Housing	Metal Enclosure
Color	Black
Dimensions	204mm[W] x 134mm[D] x 21.5mm[H]
Weight	693g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 12V/2.5A (US/EU standards, CE/FCC/UL certified)
Power Consumption (Max)	13.5W
Operation Temperature	32-104°F/0-40°C
Storage Temperature	-4-140°F/-20-60°C
Relative Humidity	20-90% RH (no condensation)

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Connection Diagram :

